An isolated nucleic acid molecule selected from 1 2 the group consisting of: 3 a nucleic acid molecule comprising a nucleotide sequence which is at least 55% identical to the nucleotide sequence of SEQ ID NO:7 or SEQ ID NO:9, the cDNA insert of 6 the plasmid deposited with ATCC as Accession Number , 7 or a complement thereof; a nucleic acid molecule comprising a nucleotide 8 b) sequence which is at least 55% identical to the nucleotide 10 sequence of SEQ ID NO:25 or SEQ ID NO:27, the cDNA insert of 11 the plasmid deposited with ATCC as Accession Number _____, or a complement thereof; a nucleic acid molecule comprising a fragment of 13 C) 14 at least 300 nucleotides of the nucleotide sequence of SEQ ID NO:7 or SEQ ID NO:9, the cDNA insert of the plasmid 16 deposited with ATCC as Accession Number _____, or a 17 complement thereof; a nucleic acid molecule comprising a fragment of 18 d) 19 at least 300 nucleotides of the nucleotide sequence of SEQ 20 ID NO:25 or SEQ ID NO:27, the cDNA insert of the plasmid 21 deposited with ATCC as Accession Number _____, or a 22 complement thereof; nucleic acid molecule which encodes a polypeptide 23 comprising the amino acid sequence of SEQ ID NO:8 or an amino acid sequence encoded by the cDNA insert of the 26 plasmid deposited with ATCC as Accession Number ; 27 nucleic acid molecule which encodes a polypeptide comprising the amino acid sequence of SEQ ID NO:26 or an 28 amino acid sequence encoded by the cDNA insert of the 30 plasmid deposited with ATCC as Accession Number ; 31 a nucleic acid molecule which encodes a fragment q) 32 of a polypeptide comprising the amino acid sequence of SEQ 33 ID NO:8, wherein the fragment comprises at least 15 34 contiguous amino acids of SEQ ID NO:8 or the polypeptide

1	encoded by the cDNA insert of the plasmid deposited with
2	ATCC as Accession Number; and
3	h) a nucleic acid molecule which encodes a fragment
4	of a polypeptide comprising the amino acid sequence of SEQ
5	ID NO:26, wherein the fragment comprises at least 15
6	contiguous amino acids of SEQ ID NO:26 or the polypeptide
7	encoded by the cDNA insert of the plasmid deposited with
8	ATCC as Accession Number; and
9	i) a nucleic acid molecule which encodes a naturally
10	occurring allelic variant of a polypeptide comprising the
11	amino acid sequence of SEQ ID NO:8 or an amino acid sequence
12	encoded by the cDNA insert of the plasmid deposited with
13	ATCC as Accession Number, wherein the nucleic acid
14	molecule hybridizes to a nucleic acid molecule comprising
15	SEQ ID NO:7 or SEQ ID NO:9 under stringent conditions.
16	j) a nucleic acid molecule which encodes a naturally
17	occurring allelic variant of a polypeptide comprising the
18	amino acid sequence of SEQ ID NO:26 or an amino acid
19	sequence encoded by the cDNA insert of the plasmid deposited
20	with ATCC as Accession Number, wherein the nucleic
21	acid molecule hybridizes to a nucleic acid molecule
22	comprising SEQ ID NO:25 or SEQ ID NO:27 under stringent
23	conditions.
1	2. The isolated nucleic acid molecule of claim 1,
	which is selected from the group consisting of:
3	a) a nucleic acid comprising the nucleotide sequence
4	of SEQ ID NO:7 or SEQ ID NO:9, or the cDNA insert of the
5	plasmid deposited with ATCC as Accession Number, or
6	a complement thereof; and
7	b) a nucleic acid comprising the nucleotide sequence
8	of SEQ ID NO:25 or SEQ ID NO:27, or the cDNA insert of the
9	plasmid deposited with ATCC as Accession Number, or

- 11 c) a nucleic acid molecule which encodes a
- 12 polypeptide comprising the amino acid sequence of SEQ ID
- 13 NO:8 or an amino acid sequence encoded by the cDNA insert of
- 14 the plasmid deposited with ATCC as Accession Number
- 15 .
- 16 d) a nucleic acid molecule which encodes a
- 17 polypeptide comprising the amino acid sequence of SEQ ID
- 18 NO:26 or an amino acid sequence encoded by the cDNA insert
- 19 of the plasmid deposited with ATCC as Accession Number
- 20 _____.
 - 1 3. The nucleic acid molecule of claim 1 further
 - 2 comprising vector nucleic acid sequences.
 - 1 4. The nucleic acid molecule of claim 1 further
 - 2 comprising nucleic acid sequences encoding a heterologous
 - 3 polypeptide.
 - 1 5. A host cell which contains the nucleic acid
 - 2 molecule of claim 1.
 - 1 6. The host cell of claim 4 which is a mammalian host
 - 2 cell.
 - 1 7. A non-human mammalian host cell containing the
 - 2 nucleic acid molecule of claim 1.
 - 1 8. An isolated polypeptide selected from the group
 - 2 consisting of:
 - 3 a) a fragment of a polypeptide comprising the amino
 - 4 acid sequence of SEQ ID NO:8, wherein the fragment comprises
 - 5 at least 15 contiguous amino acids of SEQ ID NO:8.
 - 6 b) a fragment of a polypeptide comprising the amino
 - 7 acid sequence of SEQ ID NO:26, wherein the fragment

- 8 comprises at least 15 contiguous amino acids of SEQ ID 9 NO:26.
- 10 c) a naturally occurring allelic variant of a
- 11 polypeptide comprising the amino acid sequence of SEQ ID
- 12 NO:8 or an amino acid sequence encoded by the cDNA insert of
- 13 the plasmid deposited with ATCC as Accession Number
- 14 , wherein the polypeptide is encoded by a nucleic acid
- 15 molecule which hybridizes to a nucleic acid molecule
- 16 comprising SEQ ID NO:7 or SEQ ID NO:9 under stringent
- 17 conditions;
- d) a naturally occurring allelic variant of a
- 19 polypeptide comprising the amino acid sequence of SEQ ID
- 20 NO:26 or an amino acid sequence encoded by the cDNA insert
- 21 of the plasmid deposited with ATCC as Accession Number
- 22 ____, wherein the polypeptide is encoded by a nucleic acid
- 23 molecule which hybridizes to a nucleic acid molecule
- 24 comprising SEQ ID NO:25 or SEQ ID NO:27 under stringent
- 25 conditions;
- e) a polypeptide which is encoded by a nucleic acid
- 27 molecule comprising a nucleotide sequence which is at least
- 28 55% identical to a nucleic acid comprising the nucleotide
- 29 sequence of SEQ ID NO:7 or SEQ ID NO:9.
- 30 f) a polypeptide which is encoded by a nucleic acid
- 31 molecule comprising a nucleotide sequence which is at least
- 32 55% identical to a nucleic acid comprising the nucleotide
- 33 sequence of SEQ ID NO:25 or SEQ ID NO:27.
 - 1 9. The isolated polypeptide of claim 8 comprising the
 - 2 amino acid sequence of SEO ID NO:8 or SEO ID NO:26 or an
 - 3 amino acid sequence encoded by the cDNA insert of the
 - 4 plasmid deposited with ATCC as Accession Number
 - 5 or an amino acid sequence encoded by the cDNA insert of the
 - 6 plasmid deposited with ATCC as Accession Number

- 1 10. The polypeptide of claim 8 further comprising 2 heterologous amino acid sequences.
- 1 11. An antibody which selectively binds to a 2 polypeptide of claim 8.
- 1 12. A method for producing a polypeptide selected from 2 the group consisting of:
- a) a polypeptide comprising the amino acid sequence 4 of SEQ ID NO:8 or an amino acid sequence encoded by the cDNA 5 insert of the plasmid deposited with ATCC as Accession

6 Number ;

- b) a polypeptide comprising the amino acid sequence sof SEQ ID NO:26 or an amino acid sequence encoded by the CDNA insert of the plasmid deposited with ATCC as Accession Number ;
- 11 c) a fragment of a polypeptide comprising the amino 12 acid sequence of SEQ ID NO:8 or an amino acid sequence 13 encoded by the cDNA insert of the plasmid deposited with
- 14 ATCC as Accession Number ______, wherein the fragment 15 comprises at least 15 contiguous amino acids of SEQ ID NO:8
- 16 or an amino acid sequence encoded by the cDNA insert of the
 - 7 plasmid deposited with ATCC as Accession Number _____;
- 18 d) a fragment of a polypeptide comprising the amino 19 acid sequence of SEQ ID NO:26 or an amino acid sequence
- 20 encoded by the cDNA insert of the plasmid deposited with
- 21 ATCC as Accession Number _____, wherein the fragment
- 22 comprises at least 15 contiguous amino acids of SEQ ID NO:26
- 23 or an amino acid sequence encoded by the cDNA insert of the
- 24 plasmid deposited with ATCC as Accession Number _____;
- e) a naturally occurring allelic variant of a
- 26 polypeptide comprising the amino acid sequence of SEQ ID
- 27 NO:8 or an amino acid sequence encoded by the cDNA insert of
- 28 the plasmid deposited with ATCC as Accession Number

- 29 ___, wherein the polypeptide is encoded by a nucleic acid
- 30 molecule which hybridizes to a nucleic acid molecule
- 31 comprising SEQ ID NO:7 or SEQ ID NO:9 under stringent
- 32 conditions;
- 33 f) a naturally occurring allelic variant of a
- 34 polypeptide comprising the amino acid sequence of SEQ ID
- 35 NO:26 or an amino acid sequence encoded by the cDNA insert
- 36 of the plasmid deposited with ATCC as Accession Number
- 37 _____, wherein the polypeptide is encoded by a nucleic acid
- 38 molecule which hybridizes to a nucleic acid molecule
- 39 comprising SEQ ID NO:25 or SEQ ID NO:27 under stringent
- 40 conditions;
- 41 comprising culturing the host cell of claim 5 under
- 42 conditions in which the nucleic acid molecule is expressed.
 - 1 13. The isolated polypeptide of claim 8 comprising the
 - 2 amino acid sequence of SEQ ID NO:8 or SEQ ID NO:26 or an
 - 3 amino acid sequence encoded by the cDNA insert of the
 - 4 plasmid deposited with ATCC as Accession Number
 - 5 ,or an amino acid sequence encoded by the cDNA insert of the
 - 6 plasmid deposited with ATCC as Accession Number _____
 - 1 14. A method for detecting the presence of a
 - 2 polypeptide of claim 8 in a sample, comprising:
 - 3 a) contacting the sample with a compound which
 - 4 selectively binds to a polypeptide of claim 8; and
 - 5 b) determining whether the compound binds to the
 - 6 polypeptide of claim 8 in the sample.
 - 1 15. The method of claim 14, wherein the compound which
 - 2 binds to the polypeptide is an antibody.
 - 1 16. A kit comprising a compound which selectively
 - 2 binds to a polypeptide of claim 8 and instructions for use.

- 1 17. A method for detecting the presence of a nucleic
- 2 acid molecule of claim 1 in a sample, comprising the steps
- 3 of:
- 4 a) contacting the sample with a nucleic acid probe or
- 5 primer which selectively hybridizes to the nucleic acid
- 6 molecule; and
- 7 b) determining whether the nucleic acid probe or
- 8 primer binds to a nucleic acid molecule in the sample.
- 1 18. The method of claim 17, wherein the sample
- 2 comprises mRNA molecules and is contacted with a nucleic
- 3 acid probe.
- 1 19. A kit comprising a compound which selectively
- 2 hybridizes to a nucleic acid molecule of claim 1 and
- 3 instructions for use.
- 20. A method for identifying a compound which binds to
- 2 a polypeptide of claim 8 comprising the steps of:
- 3 a) contacting a polypeptide, or a cell expressing a
- 4 polypeptide of claim 8 with a test compound; and
- 5 b) determining whether the polypeptide binds to the
- 6 test compound.
- 1 21. The method of claim 20, wherein the binding of the
- 2 test compound to the polypeptide is detected by a method
- 3 selected from the group consisting of:
- 4 a) detection of binding by direct detecting of test
- 5 compound/polypeptide binding;
- 6 b) detection of binding using a competition binding
- 7 assay;
- 8 c) detection of binding using an assay for CARD-4L or
- 9 CARD-4S mediated signal transduction.

- 22. A method for modulating the activity of a polypeptide of claim 8 comprising contacting a polypeptide or a cell expressing a polypeptide of claim 8 with a compound which binds to the polypeptide in a sufficient concentration to modulate the activity of the polypeptide.
- 1 23. A method for identifying a compound which 2 modulates the activity of a polypeptide of claim 8, 3 comprising:
- 4 a) contacting a polypeptide of claim 8 with a test 5 compound; and
- b) determining the effect of the test compound on the activity of the polypeptide to thereby identify a compound which modulates the activity of the polypeptide.